

Exam Checklist

CCENT Checklist Days 31–21		
Check Box	Date	Objective
		Schedule to take the CCENT Exam at www.vue.com .
		Take at least one practice CCENT exam.
		Create a diagram of the layered models.
		Describe the details of sending an email from source to destination. Use a topology with several routers and switches.
		Describe the CSMA/CD process to someone who knows nothing about networking.
		Show someone the MAC address on his smartphone or other connected device. Explain the purpose of the MAC address and the meaning of each part.
		Describe the three different switch forwarding methods.
		Design a set of requirements to configure a basic switched network including SSH for remote access. Implement your design and verify the configurations.
		Describe the difference between collision and broadcast domains. Explain how VLANs segment broadcast domains.
		List and describe the uses for various types of VLANs.
		Describe how trunking works and the impact of the Dynamic Trunking Protocol.
		Design a set of requirements to configure a three-switch network with trunking and VLANs. Implement your design and verify the configurations.
		Describe the structure and operation of IPv4. List and describe the uses for the various types of IPv4 addresses.
		Develop several VLSM addressing schemes with various host requirements and implement them in a lab or simulator.
		Describe the structure and operation of IPv6. List and describe the uses for the various types of IPv6 addresses.
		Read and review Days 31–21 in this book.
CCENT Checklist Days 20–13		
Check Box	Date	Objective
		Take at least two practice CCENT exams.
		Describe the various methods that a router can use to learn about and share knowledge of remote networks.
		Design a set of requirements to configure a three-router network with both IPv4 and IPv6 addressing using only static and default routes. Implement your design and verify the configurations.
		Design a set of requirements to configure a three-router network with IPv4 addressing and OSPFv2. Implement your design and verify the configurations.

		Design a set of requirements to configure a three-router network with IPv6 addressing and OSPFv3. Implement your design and verify the configurations.
		Design a set of requirements to configure a two-router, two-switch network with IPv4 addressing and inter-VLAN routing. Include default routing and OSPFv2. Implement your design and verify the configurations.
		Read and review Days 20–13 in this book.
CCENT Checklist Days 12–7		
Check Box	Date	Objective
		Take an additional CCENT practice exam.
		Design a set of requirements to implement DHCP service on a router. Dual-stack the design to include IPv4 and IPv6. Implement your design and verify the configurations.
		Describe how access control lists work and the various types used by Cisco IOS Software.
		Design a set of requirements to implement NAT on a router. Include static, dynamic, and PAT considerations. Implement your design and verify the configurations.
		Describe basic security threats and the methods used to mitigate them.
		Search the Internet for various scenarios to practice designing and implementing ACLs. Most of the study resources have excellent examples.
		Design a set of requirements to implement a routed network that includes basic device security, IPv4 and IPv6 addressing, VLANs, DHCP, NAT, ACLs, and routing. Implement your design and verify the configurations.
		Read and review days 12–7 in this book.
CCENT Checklist Days 6–1		
Check Box	Date	Objective
		For each of the troubleshooting days, have a friend introduce a few errors in your previous designs. Then use your troubleshooting skills to isolate and resolve the problem. If you are working solo, make a list of potential issues and the steps you would take to resolve each one.
		Configure the Day 1 network without using any references or the answer scripts.
		Attempt all elements of the CCENT Skills Challenge at the end of Day 1. You will find this after the answer scripts.
		Read and review Days 6–1 in this book.
		Visit the testing center and talk with the proctor at least two days before the exam.
		Eat a decent meal, watch a good movie, and get a good night's rest before the exam.